

Table 1: Significance table.

	Events _{<i>a</i>} <i>fter_alphat_and_PF_DL_cuts</i>	Events _{<i>a</i>} <i>fter_alphat_and_DL_cuts</i>	Events _{<i>a</i>} <i>fter_alphat_re_and_PF_DL_cuts</i>	Events _{<i>a</i>} <i>fter_alphat_re_and_DL_cuts</i>
QCD _{<i>Pt</i>15}	0 +- 0	0 +- 0	0 +- 0	0 +- 0
QCD _{<i>Pt</i>30}	387.2 +- 387.2	0 +- 0	387.2 +- 387.2	0 +- 0
QCD _{<i>Pt</i>80}	135.9 +- 36.32	9.707 +- 9.707	126.2 +- 35	0 +- 0
QCD _{<i>Pt</i>170}	63.06 +- 4.149	5.187 +- 1.19	60.33 +- 4.058	2.184 +- 0.7722
QCD _{<i>Pt</i>300}	19.78 +- 0.5062	0.9844 +- 0.1129	17.89 +- 0.4814	0.544 +- 0.08395
QCD _{<i>Pt</i>470}	2.684 +- 0.06078	0.004129 +- 0.002384	2.388 +- 0.05733	0.002753 +- 0.001946
QCD _{<i>Pt</i>800}	0.09518 +- 0.001797	0 +- 0	0.08321 +- 0.00168	0 +- 0
QCD _{<i>Pt</i>1400}	0.0005988 +- 1.385e-05	0 +- 0	0.0005324 +- 1.306e-05	0 +- 0
TTbar _{<i>t</i>emp}	6.626 +- 0.1595	1.92 +- 0.08585	4.469 +- 0.131	1.11 +- 0.06527
WJets _{<i>t</i>emp}	9.102 +- 0.86	3.007 +- 0.4943	7.72 +- 0.7921	2.357 +- 0.4376
ZJets _{<i>t</i>emp}	0.9736 +- 0.27	0.07489 +- 0.07489	0.8987 +- 0.2594	0.07489 +- 0.07489
ww _{<i>p</i>at₁}	0.3469 +- 0.05171	0.08479 +- 0.02556	0.3083 +- 0.04875	0.06166 +- 0.0218
wz _{<i>p</i>at₁}	0.1294 +- 0.01973	0.09931 +- 0.01729	0.1204 +- 0.01903	0.08125 +- 0.01564
zz _{<i>p</i>at₁}	0.03613 +- 0.006021	0.03713 +- 0.006104	0.0291 +- 0.005404	0.03011 +- 0.005497
LM9 _{<i>t</i>emp}	0.5884 +- 0.0196	0.3213 +- 0.01449	0.339 +- 0.01488	0.1522 +- 0.009969
Significancy	0.02352	0.06994	0.01375	0.05994
QCD Significancy	0.02385	0.08063	0.01391	0.09209